

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
22 January 2004 (22.01.2004)

PCT

(10) International Publication Number
WO 2004/007533 A1

(51) International Patent Classification⁷: C07K 1/22, 14/75, C12N 9/68, 9/10

(21) International Application Number: PCT/GB2003/002928

(22) International Filing Date: 7 July 2003 (07.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 0216001.8 10 July 2002 (10.07.2002) GB

(71) Applicant (for all designated States except US): NATIONAL BLOOD AUTHORITY [GB/GB]; Oak House, Reeds Crescent, Watford, Hertfordshire WD1 1QH (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KINGSLAND, Sarah [GB/GB]; Bio Products Laboratory, Dagger Lane, Elstree, Hertfordshire WD6 3BX (GB). CLEMMITT, Robert [GB/GB]; Bio Products Laboratory, Dagger Lane, Elstree, Hertfordshire WD6 3BX (GB). EVANS, David [GB/GB]; Bio Products Laboratory, Dagger Lane, Elstree, Hertfordshire WD6 3BX (GB). FELDMAN, Peter [GB/GB]; Bio Products Laboratory, Dagger Lane, Elstree, Hertfordshire WD6 3BX (GB).

(74) Agent: FRANK B. DEHN & CO.; 179 Queen Victoria Street, London EC4V 4EL (GB).

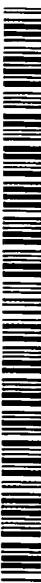
(81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SI, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 2004/007533 A1

(54) Title: PROCESSES FOR THE PREPARATION OF FIBRINOGEN

(57) Abstract: The use of immobilised metal ion affinity chromatography for the separation of fibrinogen from plasminogen, for the purification of fibrinogen and at least one other protein, for example plasminogen, and for the co-purification of fibrinogen and factor XIII.